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1: M10901

Human glucocorticoid receptor alpha mRNA, complete cds

PubMed, Protein, Related Sequences, Taxonomy, OMIM, LinkOut

LOCUS HUMGCRA 4788 bp mRNA PRI 08-NOV-1994

DEFINITION Human glucocorticoid receptor alpha mRNA, complete cds.

ACCESSION M10901

VERSION M10901.1 GI:183032

KEYWORDS glucocorticoid receptor; glucocorticoid receptor-alpha.

SOURCE Human lymphoid cell line IM-9, cDNA to mRNA, clones hGR[1.2, 2.9, 5.16] and fibroblast cDNA library (H.Okayama), clones OB7 and OB10.

ORGANISM *Homo sapiens*
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 4788)

AUTHORS Hollenberg, S.M., Weinberger, C., Ong, E.S., Cerelli, G., Oro, A., Lebo, R., Thompson, E.B., Rosenfeld, M.G. and Evans, R.M.

TITLE Primary structure and expression of a functional human glucocorticoid receptor cDNA

JOURNAL Nature 318 (6047), 635-641 (1985)

MEDLINE 86092206

COMMENT Although [1] did not actually sequence this entire sequence from one contiguous clone (thus eliminating the possibility that this sequence contains segments from multiple genes) their evidence strongly suggests that the alpha clone, OB7, and the beta clone, OB10, are transcribed from the same gene on chromosome 5 by alternate mRNA splicing. Therefore, the predicted alpha mRNA sequence is presented here in its entirety. Positions 1 to 648 were determined from clones OB10 and hGR5.16; positions 649-4788 were determined by overlapping regions of all 5 clones listed on the SOURCE line. The beta clone diverges from this alpha clone in sequence after position 2313. See also the beta GCR mRNA in entry with accession number M11050. [1] reports that the alpha form of glucocorticoid receptor is the predominant physiological form found in the various human and mouse cell lines that they tested. [1] also noted a region of chromosome 16 with enough homology to these clones to hybridize efficiently. Alternate polyadenylation signals present at positions 3101-3106 and 4678-4684 may also be utilized by some mRNAs. A clone OB12 was isolated that used the 3101-3106 signal.

FEATURES

source Location/Qualifiers

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BASE COUNT 1471 a 939 c 970 g 1408 t
 ORIGIN 360 bp upstream of BglII site; chromosome 5q.

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☐ 1: X03348 Human mRNA for beta-glucocorticoid receptor (clone OB10)

PubMed, Protein, Related Sequences, Taxonomy, OMIM, LinkOut

LOCUS HSGCRBR 3791 bp mRNA PRI 12-SEP-1993
DEFINITION Human mRNA for beta-glucocorticoid receptor (clone OB10).
ACCESSION X03348 M11050
VERSION X03348.1 GI:31681
KEYWORDS glucocorticoid receptor.
SOURCE human.

ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria;
Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 3791)

AUTHORS Hollenberg, S.M., Weinberger, C., Ong, E.S., Cerelli, G., Oro, A.,
Lebo, R., Thompson, E.B., Rosenfeld, M.G. and Evans, R.M.

TITLE Primary structure and expression of a functional human
glucocorticoid receptor cDNA

JOURNAL Nature 318 (6047), 635-641 (1985)

MEDLINE 86092206

FEATURES

source

Location/Qualifiers

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